

Remarks

Claims 1-7 and 17-21 are pending in the present application. By this amendment, withdrawn claims 8-15 and 22-25 have been cancelled. Reconsideration and allowance in view of the above amendment and the following remarks are respectfully requested.

The Final Office Action rejected claims 1-7 and 17-21 under 35 U.S.C. 102(b) over Petrick (US 5,712,870). This rejection is defective because Petrick fails to teach or even suggest each and every feature of the present invention.

Independent claim 1 sets forth an improved power ramping method comprising: switching on the power amplifier after an end of a prior packet reception period; and ramping modulation signals supplied to the up-converter mixers upon initiation of a new packet transmission. Independent claims 17 and 21 include similar features.

Applicant respectfully submits that Petrick fails to disclose or suggest, among other features, "ramping modulation signals supplied to the up-converter mixers upon initiation of a new packet transmission."

In the Final Office Action, the Examiner asserts that Petrick discloses a "pair of up-converter mixers (Fig. 2/mixers within up-converter 30)." This is incorrect. In particular, as disclosed in col. 5, lines 1-4 of Petrick, the mixer 38 is actually a down-

conversion mixer, not an up-converter mixer as asserted by the Examiner.

The Examiner's attention is directed to the up-mixers 72 located within the quadrature IF modulator/demodulator 42, which are used to modulate, **in a conventional manner**, the I and Q components of the data to be transmitted. The I and Q components of the data to be transmitted are modulated in the up-mixers 72 using a modulating signal and a signal 90 degrees out of phase with the modulating signal (see, e.g., col. 5, lines 31-43, col. 6, lines 39-46, and Fig. 2). Contrary to the present invention, and as set forth in claim 1, the modulating signal and the signal 90 degrees out of phase with the modulating signal generated within the quadrature IF modulator/demodulator 42 of Petrick are not ramped before being supplied to the up-mixers 72. **There is absolutely no disclosure in Petrick teaching or suggesting the ramping of these modulating signals.**

The Examiner also alleges that Petrick discloses "ramping modulation signals supplied to the up-converter mixers upon initiation of a new packet transmission, i.e., power ramping technique is controlled by preamble field within a transmission/receiving packet message (as shown in FIG. 1)." This statement is incorrect and completely without merit. First, it should be noted that Petrick does not provide any explanation of how the "power ramping" information included in the preamble of the data

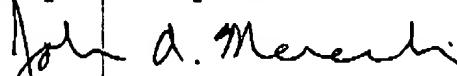
header as shown in FIG. 1 is used within the transceiver. Second, Petrick does not teach or suggest that the "power ramping" information is used to ramp the modulating signals provided to the up-mixers 72 within the quadrature IF modulator/demodulator 42.

Accordingly, since Petrick clearly fails to teach or suggest each and every feature of independent claim 1 (and similarly independent claims 17 and 21), Applicant respectfully requests withdrawal of the rejection under 35 U.S.C. 102(b) and allowance of the claims.

Applicant also respectfully submits that claims 2-7, which depend from independent claim 1, and claims 18-20, which depend from independent claim 17, are likewise allowable for at least the reasons set forth above.

If the Examiner believes that anything further is necessary to place the application in condition for allowance, the Examiner is requested to contact Applicant's undersigned representative at the telephone number listed below.

Respectfully submitted,



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